Exhibit 1

NCBI   **Nucleotide**

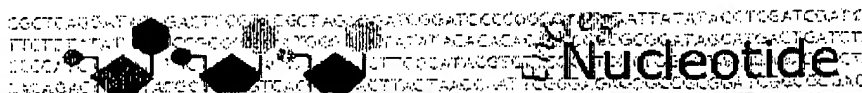| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Boc |

Search Nucleotide ▾ for [   ] Go Clear

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☐ 1: NM_001400. Homo sapiens endo...   Related Sequences, OMIM, Protein, PubMed, Taxonomy,
[gi:13027635]   UniSTS, LinkOut

```
LOCUS       NM_001400          2753 bp    mRNA    linear   PRI 16-FEB-2001
DEFINITION  Homo sapiens endothelial differentiation, sphingolipid
            G-protein-coupled receptor, 1 (EDG1), mRNA.
ACCESSION   NM_001400
VERSION     NM_001400.2  GI:13027635
KEYWORDS    .
SOURCE      human.
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 2753)
  AUTHORS   Hla,T. and Maciag,T.
  TITLE     An abundant transcript induced in differentiating human endothelial
            cells encodes a polypeptide with structural similarities to
            G-protein-coupled receptors
  JOURNAL   J. Biol. Chem. 265 (16), 9308-9313 (1990)
  MEDLINE   90264425
REFERENCE   2  (bases 1 to 2753)
  AUTHORS   An,S., Bleu,T., Huang,W., Hallmark,O.G., Coughlin,S.R. and
            Goetzl,E.J.
  TITLE     Identification of cDNAs encoding two G protein-coupled receptors
            for lysosphingolipids
  JOURNAL   FEBS Lett. 417 (3), 279-282 (1997)
  MEDLINE   98072391
REFERENCE   3  (bases 1 to 2753)
  AUTHORS   Lee,M.J., Van Brocklyn,J.R., Thangada,S., Liu,C.H., Hand,A.R.,
            Menzeleev,R., Spiegel,S. and Hla,T.
  TITLE     Sphingosine-1-phosphate as a ligand for the G protein-coupled
            receptor EDG-1
  JOURNAL   Science 279 (5356), 1552-1555 (1998)
  MEDLINE   98155258
COMMENT     REVIEWED REFSEQ: This record has been curated by NCBI staff. The
            reference sequence was derived from AF233365.1, M31210.1.
            On Feb 21, 2001 this sequence version replaced gi:4503454.
            Summary: The protein encoded by this gene is structurally similar
            to G protein-coupled receptors and is highly expressed in
            endothelial cells.  It binds the ligand sphingosine-1-phosphate
            with high affinity and high specificity, and suggested to be
            involved in the processes that regulate the differentiation of
            endothelial cells.  Activation of this receptor induces cell-cell
            adhesion.
            COMPLETENESS: complete on the 3' end.
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Goetzl
primer 1
to EDG-1

initiation
codon

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Revised: October 24, 2001.